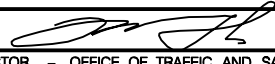



PEDESTRIAN SIDE - POLE MOUNTING ASSEMBLY

NOTES:

1. THE UPPER ARM SHALL CONSIST OF A SERRATED ELL, 12" NIPPLE, GASKET AND CAST NIPPLE.
 - THE SERRATED ELL SHALL HAVE A SERRATED 72 TOOTH BOSS ON ONE END. THE OUTSIDE DIAMETER OF THE SERRATION SHALL NOT EXCEED $2\frac{3}{8}$ ". THE NON-SERRATED END OF THE ELL SHALL BE NOTCHED TO ACCEPT A SEPARATE SERRATED LOCKRING. THE ELL SHALL BE THREADED $1\frac{1}{2}$ " NPS ON BOTH ENDS. THE ELL SHALL HAVE A MINIMUM $\frac{3}{8}$ " WIDTH BOSS THAT EXTENDS THE ENTIRE LENGTH OF BOTH SIDES. ON ONE SIDE OF THE BOSS AT EACH END OF THE ELL SHALL BE A $\frac{1}{4}$ " - 20 THREADED OPENING FOR A SETSCREW.
 - A DIE CAST NIPPLE SHALL BE ASSEMBLED INTO THE ELL. THE CAST NIPPLE SHALL BE $1\frac{1}{2}$ " NPS WITH THREAD LENGTH OF $1\frac{1}{2}$ ". THE HEAD OF THE CAST NIPPLE SHALL BE HEX AND $2\frac{1}{2}$ " ACROSS THE FLATS. AN INDENTATION SHALL BE ON EACH CORNER TO ACCOMMODATE A SPANNER WRENCH FOR TIGHTENING.
 - A $1\frac{1}{2}$ " X 12" EXTRUDED NIPPLE SHALL HAVE $1\frac{1}{2}$ " NPS THREADS ON BOTH ENDS. THE NIPPLE SHALL HAVE A "BRUSHED" FINISH.
2. THE LOWER ARM SHALL CONSIST OF A SERRATED TEE, 12" NIPPLE AND CAST NIPPLE.
 - THE SERRATED TEE SHALL BE FABRICATED LIKE THE ELL EXCEPT THE TEE IS TO HAVE SERRATIONS ON TWO (2) THREADED OPENINGS 90° APART. THE NON-SERRATED END SHALL COME STANDARD WITH A PLASTIC KNOCKOUT PIN.
 - THE DIE CAST NIPPLE SHALL BE THE SAME AS ABOVE.
 - THE $1\frac{1}{2}$ " X 12" NIPPLE SHALL BE THE SAME AS ABOVE.
 - A 1" HOLE SHALL BE DRILLED IN THE METAL POLE FOR WIRING AT BOTTOM HUB PLATE.
3. FOR WOOD POLE MOUNTING:
 - ATTACHMENT STRAPS FOR WOOD POLE SHALL BE $\frac{3}{4}$ " WIDTH, TYPE 201, STAINLESS STEEL.
 - ATTACHMENT BOLTS FOR WOOD POLE SHALL BE STAINLESS STEEL $\frac{3}{8}$ " X $2\frac{1}{2}$ " LENGTH.

SPECIFICATION 814	CATEGORY CODE ITEMS	
APPROVED		
	DIRECTOR - OFFICE OF TRAFFIC AND SAFETY	
	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 10-10-00	APPROVAL 2-1-01
	REVISED 10-1-01	REVISED
	REVISED	REVISED
	REVISED	REVISED

Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION

STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

SIGNAL HEAD MOUNTING DETAILS SIDE-POLE MOUNTING ASSEMBLY

STANDARD NO.

MD 814.04